STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BR000-0001-00(358)	63	167

BRIDGE CONSISTS OF

6 - 40'-0" REINFORCED CONCRETE DECK GIRDER SPANS ---------- SPECIAL DESIGN

2 - PSC PILE END BENTS ---------- SPECIAL DESIGN

5 - PSC PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ------- GA. STD. 3054 (9-30-02)
(L = 4'-0"; W = 1'-1"; H = 3'-5 3/4 ")

SQUARE PRESTRESSED CONCRETE PILES ---------- GA. STD. 3215 (2-22-84)

ONE PIPE ALUMINUM HANDRAILING ---------- GA. STD. 3626 (10-22-85)

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD. 9037 (9-99)

DRAINAGE DATA

DRAINAGE AREA ---------- 31.5 SQ MILES

FLOOD FREQUENCY	DISCHARGE	VELOCITY	AREA OF OPENING UNDER HIGHWATER	BACKWATER
50 YEAR	5908 CFS	4.41 FPS	1338 SQ FT	0.24 FT
100 YEAR	7390 CFS	4.47 FPS	1436 SQ FT	0.36 FT
500 YEAR	11690 CFS	6.25 FPS	1870 SQ FT	1.24 FT

TRAFFIC DATA

TRAFFIC ---------- ADT =19,000 (2008)
ADT =25,000 (2028)

DESIGN SPEED ---------- 35 MPH

TRUCKS ---------- 2 %

24 HR TRUCKS ----------2.5 %

DIRECTIONAL ---------- 55 %

EXISTING UTILITIES

6 INCH WATER MAIN ---------- CITY OF MOULTREE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION AND 2008 SUPPLEMENTAL SPECIFICATIONS, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE ROADWAY PLANS FOR DETOUR, TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0600. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER D.A.W.R.8(1).

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PILING - JETTING OR SPUDDING OF PSC PILING MAY BE NECESSARY AT THIS SITE TO ACHIEVE THE INDICATED PLAN DRIVING OBJECTIVE. AT CONTRACTOR'S OPTION, USE PREDRILLING IN LIEU OF JETTING OR SPUDDING. THE EXTENT OF PREDRILLING SHALL BE TO ELEVATIONS SHOWN BELOW. SEE SECTION 520 OF THE GEORGIA DOT SPECIFICATIONS.

BENT NUMBER	PREDRILLING ELEVATION
2 AND 3	238.0
4	217.0
5	236.0
6	243.0

PILE DRIVING - SHOULD PILES FAIL TO OBTAIN DRIVING RESISTANCE AFTER ACHIEVING THE PILE TIP ELEVATIONS SHOWN BELOW, ALLOW PILES TO FREEZE A MINIMUM OF 24 HOURS AND RESTRIKE WITH A WARM HAMMER.

BENT NUMBER	PILE TIP ELEVATION
1	234.0
2	235.0
3	232.0
4	214.0
5	232.0
6	237.0
7	237.0

TEST PILES - DRIVE TEST PILES AT THE FOLLOWING LOCATIONS:
ONE 14 IN SQ PSC X 46 FT AT BENT 1, RIGHT OF CENTERLINE
ONE 16 IN SQ PSC X 66 FT AT BENT 4, CENTER
ONE 16 IN SQ PSC X 42 FT AT BENT 6, LEFT OF CENTERLINE

1013 DOWEL BARS - CAST 1013 DOWEL BARS IN PLACE OR PLACE DOWELS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES. AT FIXED ENDS, EFFECTIVELY WRAP 1013 DOWEL BARS TO PREVENT BOND WITH BEAM CONCRETE. AT EXPANSION ENDS, FORM 1 1/2" X 3" X 7" DEEP SLOT IN BEAM FOR 1013 DOWEL BARS.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

BOTTOM OF BEAM ELEVATIONS - BOTTOM OF THE BEAMS SHALL NOT BE BELOW ELEVATION 271.96.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

DESIGN DATA

SPECIFICATIONS ----------AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING ---------- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI
SUBSTRUCTURE ---------- CLASS A, f'_c = 3,000 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	1867	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (970)
500-3101	150	CY	CLASS A CONCRETE
511-1000	17330	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (259843)
516-1100	468	LF	ALUM HANDRAIL, STD 3626
520-2214	810	LF	PILING, PSC, 14 IN SQ
520-2216	2340	LF	PILING, PSC, 16 IN SQ
520-3214	1	EA	TEST PILE, PSC, 14 IN SQ
520-3216	2	EA	TEST PILE, PSC, 16 IN SQ
520-4214	1	EA	LOAD TEST, PSC, 14 IN SQ (IF REQD)
520-4216	1	EA	LOAD TEST, PSC, 16 IN SQ (IF REQD)
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 108+37
603-2024	1400	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1400	SY	PLASTIC FILTER FABRIC

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES
SR 37 (1ST AVENUE) OVER OKAPILCO CREEK
COLQUITT COUNTY BR000-0001-00(358)

NO SCALE MARCH 2007

DESIGNED ZLC | CHECKED SKG/JTM | REVIEWED WMD
DRAWN KHB | DESIGN GROUP IAB | APPROVED PVL

DATE | REVISIONS | BY

BRIDGE SHEET 2 OF 11

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